



ENVIRONMENTAL CONSULTANTS

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**Crawford Station MGP Site  
Chicago, Illinois**

**Weekly Field Progress Report**

Report Date: July 13, 2012

Prepared By: Natural Resource Technology, Inc.  
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Submitted To: Integrys Business Support, LLC  
Naren M. Prasad, PE

Activity Period: July 1, 2012 through July 7, 2012

The following summarizes the environmental field activities performed by NRT on behalf of IBS at the former Crawford Station MGP site Time Critical Removal Action (AOC V-W-11-C-981):

<i><b>Tasks</b></i>	<i><b>Environmental Activities</b></i>
General Description of Work Performed	<p>The following activities were conducted:</p> <ul style="list-style-type: none"><li>• Tecnica continued to backfill and compact Areas HA, H, G, I, Q, AA, and the Potential Removal Area (PRA) north of Area A throughout the week.</li><li>• Tecnica continued backfill operations in the southwest extent of Area R and the PRA south of Area R.</li><li>• Tecnica resumed excavation in Area L.</li><li>• Tecnica completed excavations in Area J and Area K to the respective design elevations.</li><li>• Tecnica continued excavating to a depth of 12' in the PRA north of Area A based on visual observations of MGP source material. Two test pits were performed on Friday (7/6/12) to delineate the impacted soil in this area. Tecnica will be excavating to the west, to the north and then to the east in order to encompass the impacted soil and complete this excavation in this area.</li><li>• Rusmar foam was utilized daily to mitigate odors, and woodchips were utilized as needed for additional odor control throughout the week.</li><li>• Excavated soils were loaded and transported to Waste Management's Laraway Road RDF landfill for disposal. A total of 7,855 tons of material was disposed of at the landfill bringing the overall project total to 200,230 tons.</li></ul>

<b>Tasks</b>	<b>Environmental Activities</b>
General Description of Work Performed (continued)	<ul style="list-style-type: none"> <li>Utilized GPS to locate pertinent items and features.</li> <li>NRT conducted air monitoring activities for PM<sub>10</sub> through the use of DustTraks, 12-hour time-weighted samples for BTEX and Naphthalene through the use of SUMMAs, and real time VOC concentrations using PIDs. Additionally, no odor/dust issues were noted at the perimeter of the site.</li> </ul>
Sampling Activities Performed:	<p>NRT conducted the following sampling activities:</p> <ul style="list-style-type: none"> <li>DustTraks collected particulate data each day and data has been downloaded for analysis.</li> <li>Fifteen post-excavation base samples were collected (EB-104 through EB-118) in Areas Q, the PRA south of Area R, AA, PRA north of Area A, J and K. These samples will be analyzed for constituents listed in the RAWP for post-excavation.</li> <li>Sample EB-105 in the PRA south of Area R was sampled on Monday (7/2/12), and was inadvertently cross contaminated with amended material that was amended in place just west of the sample location. A replacement sample was re-collected on Thursday (7/5/12) at the same location. Analytical for this replacement sample (EB-114) was received on Friday (7/6/12) which passed the post-excavation criteria outlined in the RAWP.</li> <li>Three samples were taken</li> <li>Three SUMMA canisters were deployed on 7/2/12 and sent to TestAmerica Laboratory for BTEX and naphthalene analysis.</li> </ul>
NRT Field Personnel	Kyle Bareither, Ron Horan
Equipment Deployed:	SUMMA Canisters DustTraks PIDs Multi-gas meter
Field Photos	See attached sheets

Additional site activities:

Water is being pumped from the open excavations as needed. Water is sent through the Water Treatment System and discharged into the City of Chicago sewer for discharge into the MWRD system.

Work planned for the coming week, July 8, 2012 through July 14, 2012, is as follows:

- Provide oversight for the excavation of Area W and take confirmation samples when the excavation and pipe integrity check have been completed.
- Take additional floor and wall samples in Area L, the PRAs, and Area M as they become available.
- Conduct Full Scale Air monitoring consisting of one 12-hour SUMMA can sampling event per week. The days of the 12-hour sampling will be determined to coincide with excavation activities.
- Receive and review post-excavation confirmation, post-amendment, and air sampling data from TestAmerica.

A weekly field progress report will continued to be issued throughout the duration of field activities for this Time Critical Removal Action. A written report summarizing the results and findings of the Removal Action will be provided following completion of all field activities.

A summary of the construction activities as detailed by the Construction Manager have been included with this report as Attachment 1.

Please feel free to contact us if you have any questions.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.



Timothy B. Norris, PG  
Geologist

Attachment 1: Burns and McDonnell Construction Management Report

**Field Photos:**



Photo 1: Technica excavating along the large City of Chicago sewer in Area AA.

Direction: Facing north.

Photo Date: 7/3/2012

Photo Taken By: KJB



Photo 2: Technica loading out material from Area J.

Direction: Facing northwest.

Photo Date: 7/3/2012

Photo Taken By: KJB



Photo 3: Loading trucks from Area L.

Direction: Facing northeast.

Photo Date: 7/5/2012

Photo Taken By: KJB

**Field Photos (continued):**



Photo 4: Compacting backfill along the large City of Chicago sewer.

Direction: Facing north.

Photo Date: 7/6/2012

Photo Taken By: KJB



Photo 5: Tecnica foaming the walls of the excavation in Area L to suppress odors.

Direction: Facing southeast.

Photo Date: 7/6/2012

Photo Taken By: KJB



Photo 6: Test pit performed on the overburden staging area north of Area A.

Direction: Facing southwest.

Photo Date: 7/6/2012

Photo Taken By: KJB



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Week of: 7/1/12 to 7/7/12

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**Subject: Site Remediation – Construction Management  
Peoples Gas – Former Crawford Station**

**Burns & McDonnell Personnel Onsite**

Site Construction Manager

- Bal Berena

Site Remediation Supervisor

- Bernard Gill

Construction Manager

- Dave D'Armond

Others

- Chad Hawthorn
- Mike Swieca

**Subcontractors Onsite**

- Tecnica Environmental Services
- Interra
- CTI

Others

- Natural Resource Technology (NRT)
- Waste Management (Dave Weber) and Steve Jiskra, Vito Pesoli (MT)

**Miscellaneous Visitors**

- Dan McCarthy (CTI)
- Syed Ali (City of Chicago Water Department)

**Integrals Peoples Gas Personnel Onsite**

- None

**Site Activities**

**BURNS & MCDONNELL**

- Managed site activities with Tecnica Environmental Services, Interra and CTI;
- Escorted City of Chicago and Interra personnel during their site visits;
- Issued truck tracking forms for all excavated soils from Areas A, AA, HA, J, K, and L;
- Tracked 412 loads (7,854.99 tons) for Direct soils disposal at Laraway Landfill;
- Received 289 loads of CA-6 (6,465.95 tons), 2 loads CA-1 (44.97 tons) for backfill in areas A, AA, HA, and H, ;
- Pumped and discharged 125,942 gallons of treated excavation water to MWRD;
- Participated in daily subcontractor pre-task analysis safety meetings on site;
- Conducted periodic health and safety air monitoring in excavation area with no significant PID readings from the site activities;

- Held the weekly site construction meeting with Supervisors of Subcontractors, Waste Management; and
- Monitored site conditions for traffic, dust, odors, and overall safety.

#### **TECNICA ENVIRONMENTAL SERVICES**

- Excavated and loaded out soils from areas HA, A, J, AA, and K;
- Controlled odors through foaming and wood chips;
- Actively suppressed dust on site through watering and haul road maintenance;
- Operated and maintained truck scale;
- Assisted BMcD in water treatment system operation and maintenance;
- Continuously monitored site fencing, silt fence, and erosion control materials;
- Assisted NRT collecting samples in area AA;
- Performed routine maintenance on decon pad, tracking pad, and haul roads;
- Continued breaking concrete generated from areas I and L; and
- Excavated and backfilled both sides of Chicago Sanitary Sewer simultaneously as required by OUC.

#### **CTI**

- Continued collecting seismic data as required by City of Chicago Water Department.

#### **INTERRA**

- Performed compaction tests on CA-6 during backfill of areas A, AA, C, L, and R.

#### **Changes to Scope of Work**

- Continued support for PGL pipe integrity excavation currently on hold;
- Blue shed must be relocated to excavate in the Potential Dig Area south of planned dig Areas S and U; and
- Excavating into the original Overburden Stockpile Pad beyond original the Potential Dig Area north of Area A.

#### **Open/Outstanding Items**

- Due to odor complaint from property to west of site, a misting system will be implemented along the top of the west property fence. Additional odor suppression activities were increased for odor control.

#### **Anticipated Activities for the Week of July 08, 2012**

- Continue backfilling both sides of the sewer and excavating in the area north of original A;
- Continue backfilling areas A, I, H, HA, AA and areas along the sheeting line;
- Excavate and load out in Areas L, M, N, W, and north of Area A; and
- Reroute site entrance roadway for Area W dig and disassembly of the blue shed.



**Crawford Station Site:**

**Remediation**

Date: July 2, 2012

Description: Looking northwest from Area A, where excavation is extended west and north of the northern extent of potential removal area due to analytical data that did not pass.



**Crawford Station Site:**

**Remediation**

Date: July 3, 2012

Description: Tecnica backfilling on both sides of the sewer at the same time, as required by City of Chicago Water Department. View toward the southeast.



**Crawford Station Site:**

**Remediation**

Date: July 5, 2012

Description: View from Area A looking north. Tecnica actively controlled odors through the use of wood chips and foaming, as soil is being loaded out for disposal.



**Crawford Station Site:**

**Remediation**

Date: July 6, 2012

Description: Looking down, black MGP impacted material one-foot below ground surface during test pit in southwestern boundary of overburden stockpile pad.